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PRICE LIST FOR SPRING OF 1928

— of —

THE LINN COUNTY
NURSERIES

SNYDER BROS., Inc.
Center Point, Iowa

ESTABLISHED 1895



GROWERS OF
EVERGREENS
ORNAMENTAL TREES AND PLANTS
FRUIT TREES
NUT TREES

TERMS AND DIRECTIONS

LOCATION. Our nurseries are located just south of the C., B. I. & P. and W., C. F. & N. Stations in Center Point, eighteen miles from Cedar Rapids and twenty-five from Independence on Primary Road No. 11 (gravelled).

PACKING FACILITIES. These consist of a cellar and clay block building 100 feet square. Boxes and bales are well papered and the roots protected with moist packing. Evergreens and large trees are dug only as they are sent out.

PRICES given are for the stock, properly packed and delivered at the Nursery, the stations here, or at nearby towns in case we are making a general delivery there. Small plants will be sent by parcel post within the second zone or the third zone if not too heavy.

CONDITIONS. All orders are accepted on condition that they shall be void should any injury befall the stock from hail, frost, fire, or other causes beyond our control. Deliveries are subject to delay by bad weather, bad roads, strikes, accidents, embargoes and causes beyond our control.

TERMS are cash on or before the delivery of the stock, unless previously otherwise agreed upon.

CLAIMS for errors or shortage must be made immediately upon the receipt of the stock.

VISITORS WELCOME. At all seasons during business hours, visitors are welcome to inspect the grounds. Through the packing and shipping season time is not always available to show them about, but we are glad to do so when possible. Those wanting to select specimen trees can do so during the growing season and they will be marked for delivery at the proper time. Large trees to be moved with a frozen ball of earth should be selected before hard freezing so they can be mulched and thus save expense in digging.

MISCELLANEOUS. Supplies not everywhere obtainable, such as garden stakes, aluminum sulfate, imported peat, etc., are usually in stock and can be supplied customers. Also numerous plants not in the list are being grown under trial and can be furnished.

THE LINN COUNTY NURSERIES

APPLES

Apple trees should be planted 30x30 feet apart. They respond to good cultivation and care as freely as does corn or any other crop. Our trees are graded according to the standard rules of grading. The 5 to 6 foot size caliper $\frac{1}{8}$ in. and up; the other sizes $\frac{5}{8}$ to $\frac{1}{4}$ in. and $\frac{1}{2}$ to $\frac{5}{8}$ in., respectively. Many varieties will run considerably taller than rated, and a few dwarf growing kinds are shorter.

The following is a list of the main varieties of apples we have this spring, arranged approximately in the order of their ripening:

EARLY VARIETIES

Liveland (Lowland Raspberry)	Duchess (Oldenburg)
Yellow Transparent	Benoni

Liveland is the best real early apple; it is beautifully colored, has the highest quality, and keeps remarkably for an early apple.

FALL VARIETIES

Nichner (Strawberry)	Ramsdell Sweet	Wealthy
University	Anism	Snow (Fameuse)
Bailey Sweet		Wolf River
Chenango		Longfield

Nichner has been very profitable for years; it is very hardy, has good size and fair color, very fine grained white flesh of high quality, and ripens just after Duchess.

WINTER VARIETIES

McIntosh	Virginia Beauty	Allen's Choice
Sharon	Greenville	Salome
Delicious	Windsor	Mammoth Black Twig
Jonathan	Iowa Blush	York Imperial
Ames	Hawkeye Greening	Gano
Grimes (Golden)	Tolman Sweet	Black Ben Davis
King David	Colorado Orange	Willow Twig
Banana (Winter)	Northern Spy	Ben Davis
Golden Russet	Roman Stem	Nelson Sweet
Isherwood	N. W. Greening	Malinda
Rome Beauty	Stayman (Winesap)	Rall's (Janet or Geniton)

McIntosh we consider perhaps the most choice commercial variety for the north.

Windsor has been a very profitable variety with us. It is very hardy, a regular and heavy producer and is well colored, large, good, and late keeping. Some places it is subject to blight, but has not been here.

CRAB APPLES

Hyslop	White Arctic	Martha
Whitney (No. 20)	Transcendant	Wild Red
Virginia	Sweet Russet	Wynema

Wynema and Wild Red are hybrid Wild Crabs, with fruit about the size and color of Whitney, but otherwise like the small green wild crabs.

Virginia is unexcelled as a stock upon which to topwork varieties such as Jonathan, Grimes, Stayman, Mammoth Black Twig, Virginia Beauty, etc.

PRICES of standard Apple and Crab Apple:	Each	Per 10	Per 100
5 to 6 feet	\$0.90	\$8.00	\$70.00
4 to 5 feet .....	.75	6.50	55.00
3 to 4 feet .....	.50	4.50	40.00

DWARF APPLES

Delicious	Wealthy	Yellow Transparent		
PRICES of Dwarf Apple:			Each	Per 10
4 to 5 feet	.....		\$1.00	\$9.00

ANOKA

Anoka, The Wonder Apple, of Prof. Hansen, is not strictly a dwarf but a hybrid which bears extremely young. He says, "The fruit is two and one-half inches in diameter, round, Duchess type of coloring, flesh white, good subacid, season September."

PRICE of Anoka:	Each	Per 10
5 to 6 feet	\$1.00	\$9.00

PEACHES

Peaches in central Iowa should be planted where they will have as much protection as possible.

Leading varieties—Champion, Bokara, and Elberta.

PRICES—		Each	Per 10
Budded trees	4 to 5 ft.	\$0.60	\$5.00
	3 to 4 ft.	.45	4.00

PEARS

More than one variety should be planted to insure pollination. The standard, or large growing trees, should be spaced 18 to 20 ft. apart; the Dwarfs, 10 ft. The following is a list of the varieties we have, arranged in approximate order of ripening:

Wilder	Bartlett	Flemish Beauty
Clapp's Favorite	Seckel	Kieffer
Longworth		Patten (4-5 ft. size only)
Lincoln		Anjou

PRICES of all Standard Pears:	Each	Per 10
5 to 6 feet	\$1.20	\$10.00
4 to 5 feet .....	.90	8.00
3 to 4 feet .....	.70	6.00

DWARF PEARS are grafted on Quince roots, which dwarf and bring them into bearing earlier. The following varieties in the 4 to 5 and 3 to 4 foot sizes only:

Clapp's Favorite	Bartlett	Kieffer
Duchess	Seckel	Anjou
	Flemish Beauty	

PRICES of all Dwarf Pears:	Each	Per 10
4 to 5 feet	\$1.00	\$9.00
3 to 4 feet .....	.75	7.00

Duchess does particularly well as a dwarf.

CHERRIES

(In order of ripening)

Dyehouse	Montmorency	Wragg
Early Richmond	Ostheime	English Morello
	Yellow Glass	

Early Richmond and Montmorency are the most dependable and the most planted. Yellow Glass is a true, sweet cherry and is more tender than the others. Wragg and English Morello are very late and very dark in color.

PRICES of above varieties except Yellow Glass—

			Each	Per 10
These are the same grades used	$\frac{11}{16}$ in.	mostly 5-6 ft.	\$1.00	\$9.00
other years. The caliper governs.	$\frac{9}{16}$ — $\frac{11}{16}$ in.	mostly 4-5 ft.	.90	8.00
Bushy varieties often are shorter	$\frac{7}{16}$ — $\frac{9}{16}$ in.	mostly 3-4 ft.	.70	5.50
than rated.				

Yellow Glass 25c higher on each grade.

PLUMS

Abundance	German Prune	Red Wing
Beatty	Gold	Sapa
Bohemian Prune	Hanska	Surprise
Burbank	Hennepin	Terry
Compass	Lombard	Toka
Communia	Mary	Underwood
Damson	Miner	Wachampa
Desoto	Mrs. Cleveland	Winona
Fellenburg	Omaha	Wyckoff
	Opata	

Terry, Beatty, and Desoto are all pure American varieties of splendid quality for all purposes, and we believe most dependable of all for the far North.

Red Wing, Hennepin, Underwood, and Winona are a new group of plums which recently originated at the Minnesota State Fruit Breeding Farm. They are all large or very large and excellent varieties. Red Wing has done extra well here.

Abundance and Burbank are Japanese varieties, which are much prized by some, but usually overbear and are short-lived here.

Sapa, Opata, and Wachampa are all hybrids of the Western Sand Cherry produced by Professor Hansen, and all make very crooked trees. Sapa is of medium size, has purplish flesh, a very small pit, and is very fine for canning. Wachampa is very similar to Sapa except the flesh is a lighter color. Opata has green flesh and is very early, but not especially good for cooking.

Hanska and Toka are also hybrids produced by Professor Hansen and generally included in the group known as the Hansen Hybrids. They are crosses of the American Plum and Prunus Simoni. Both varieties are very straight, symmetrical, upright trees. The fruit is bright red, of good size, and has a very pronounced apricot fragrance and flavor. Many people think them the best plums in our whole list.

Communia, Damson, German Prune, Pacific Prune, and Lombard are all European varieties, which are often spoken of as blue plums.

Bohemian Prune is one of the hardest European varieties and a splendid prune.

Wyckoff is a variety of medium size and light red color with a very thin skin and especially fine for canning, no other variety excelling it for this purpose.

Mary and Rhéine Claude are European plums belonging to the Green Gage type. Mary has proved very productive and the plums are perhaps the sweetest of any variety we have. They are a clear green color, which they hold in canning.

PRICES of Plum Trees:	Each	Per 10
5 to 6 feet	\$1.00	\$9.00
4 to 5 feet	.80	7.50
3 to 4 feet	.60	5.50

GRAPES

(In order of ripening)

Beta, black	Elvira, white	Caco, red
Hungarian, black	Worden, black	Lutie, red
Moore Early, black	Delaware, red	Concord, black
Diamond (Moore's), white	Lucile, red	Woodruff, red
Wyoming, red	Niagara, white	Agawan, red

Beta, Hungarian and Elvira are small grapes, but very hardy and well suited for arbors and pergolas.

Concord is the best shipping variety and predominates in commercial plantings.

Worden and Moore Early are larger and sweeter than Concord and should be included in the home vineyard.

PRICES—	Each	Per 10	Per 100
Concord—1 year	\$0.20	\$1.50	\$10.00
2 year .....	.25	2.00	15.00
Caco—1 year .....	.60		
2 year .....	.75		
Other varieties—1 year .....	.25	2.00	15.00
2 year .....	.30	2.50	22.50

CURRANTS

Currants cannot be sent across the quarantine line, which is the western line of Iowa.

Victoria	White Grape	Diploma		
Wilder	Cherry	Fay (Fay's Prolific)		
	Perfection			
2-year Bushes—		Each	Per 10	Per 100
Perfection		\$0.40	\$3.50	\$30.00
Other varieties .....		.30	2.50	17.50

GOOSEBERRIES

Subject to the same quarantine as Currants.

Champion	Downing	Carrie	
	Pearl		
PRICES—2-year plants	30c each	\$2.50 per 10	

JUNEBERRIES (Serviceberry, Shadbush)

Juneberry bushes are highly ornamental at all seasons of the year as well as being valuable for their fruit, which is much liked by the birds and attracts them from other berries and the cherries. Planted in a hedge row, they make an oval hedge 6 to 8 feet high and about that width.

PRICES—For transplants—	Each	Per 10
12 to 18 inch bushes	\$0.20	\$1.50
18 to 24 inch bushes .....	.25	2.00
2 to 3 foot bushes .....	.35	3.00
3 to 4 foot bushes .....	.50	4.00

RASPBERRIES

The purple and black varieties grow from tips, red ones from suckers. For home use the purple caps will produce more fruit than the others.

Cumberland is the most planted of the black caps.

Latham is far the best and most profitable of the red varieties. Plant in hedge rows about two feet apart in the rows.

Cardinal, purple	Haymaker, purple	Louden, red
Cumberland, black	Royal Purple, purple	Latham, red
St. Regis, red everbearing	King, red	

PRICES—	Per 10	Per 100	Per 1,000
Purple varieties and Latham	\$0.75	\$6.00	\$50.00
Other varieties .....	.40	3.00	25.00

BLACKBERRIES AND DEWBERRIES

We have found the Snyder Blackberry the most dependable of many kinds tried and confine our growing to it. All the plants offered are root cutting plants; none are suckers from an old run-out patch.

PRICES—Snyder Blackberry	Per 10	Per 100	Per 1,000
Heavy grade	\$0.60	\$4.50	\$40.00
Medium grade .....	.40	3.00	25.00
Light grade priced on application.			
Lucretia Dewberry .....	.75	6.00	50.00

STRAWBERRIES

The Dunlap Strawberry succeeds so well under so many different conditions and is so good for all purposes that we advise it as the best spring bearing variety for general planting. Put out a new bed each year in rows $3\frac{1}{2}$ to 4 feet apart and 18 inches in the row.

The fall bearing Strawberries do best north of central Iowa, where if proper care is given and conditions are favorable, wonderful results are often obtained. They should be planted early in the spring on good, rich ground and a new patch planted each year.

PRICES—	Per 100	Per 1,000
Dunlap	\$1.00	\$ 9.00
Progressive, fall bearing	2.50	20.00
Champion, fall bearing	2.50	20.00

ASPARAGUS

This is one of the first ready to use and most wholesome of the spring vegetables. Plant it along the fence and plant it by the hundred rather than by the dozen.

Martha Washington (Rust Proof), or the older varieties.

PRICES—	Per 10	Per 100	Per 1,000
Two-year plants	\$0.40	\$2.50	\$20.00

RHUBARB

Rhubarb, like Arsparagus, should be planted where it need not be disturbed and will produce a great lot of wholesome food with the minimum amount of work. Heavy clumps of it may be forced in the cellar in winter if they are dug in the fall and allowed to freeze hard before taking in.

PRICES—	Each	Per 10	Per 100
Two-year roots	\$0.20	\$1.50	\$10.00
One-year roots .....	.15	1.00	6.00

EVERGREENS

All the evergreens we offer have been transplanted two or more times unless otherwise noted. They are always dug fresh as sent out. If the buyer comes to the Nursery after them, they can be lifted directly from the row to his truck and have a minimum of exposure. If the roots of evergreens ever become thoroughly dry they cannot be revived as other trees can. Failure in transplanting them is largely due to allowing them to become dry while planting, to not packing good, mellow, moist soil very firmly around the roots, or to not properly conserving moisture about them through the summer by frequent shallow cultivation and by mulching.

SPACING. Plant Pines or Spruces 7 to 8 feet apart for single row windbreaks, and 10 to 12 feet apart for double rows. For low hedges plant 18 to 24 inches apart, depending on size.

SOILS. Plant Pines on dry or well drained soil. The Bull Pine will do well on very gravelly soil. In places where it is quite wet at times Spruce will be better, and in very wet places Arborvitae is the best.

PESTS. Red Spider or Mite has caused much trouble during a drouth in the growing season. A rusty appearance is likely to be due to it. Water applied under a high pressure to the tops every few days is an effective remedy, or a soluble oil spray applied according to the manufacturer's directions is also effective.

EVERGREENS FOR WINDBREAKS AND HEDGES

Prices in this section do not include Ball and Burlap; if wanted that way, the expense of it must be added. Each X represents one transplanting.

	Size	Each	Per 10	Per 100
ARBORVITAE—American, Thuja				
occidentalis.....	8-12 in. X	\$0.25	\$2.00	\$17.50
A native of the north, preferring a moist soil and enduring partial shade.	12-15 in. XX	.45	4.00	35.00
	15-18 in. XX	.60	5.50	50.00
	18-24 in. XX	.75	7.00	65.00
PINE—Bull, Pinus ponderosa, Western				
Yellow Pine	18-24 in. XX	.50	4.50	40.00
A native of the Black Hills, with very long needles and thick, stout branches, which are not broken by heavy sleet or severe storms. Extremely hardy and drouth-resistant.	2-3 ft. XX	.60	5.00	45.00
	3-4 ft. XXX	.70	6.00	55.00
	4-5 ft. XXX	.85	8.00	75.00
	5-6 ft. XXX	1.00	9.50	90.00
PINE—White, Pinus strobus				
One of Iowa's few native conifers and one of the best for windbreaks.	12-15 in. XX	.40	3.50	30.00
	15-18 in. XX	.50	4.50	40.00
	18-24 in. XX	.60	5.50	50.00
	2-3 ft. XX	.75	7.00	60.00
RED CEDAR—Juniperus virginiana				
Should not be planted near apple trees because of the Cedar Apple rust, otherwise very desirable.	18-24 in. XX	.75	6.00	
	2-3 ft. XX	.90	7.50	
SPRUCE—Norway, Picea excelsa				
Native to Northern Europe. Most grown and recommended by Nursery-men because it is the easiest to grow.	12-15 in. XX	.40	3.50	30.00
	15-18 in. XX	.50	4.50	40.00
	18-24 in. XX	.60	5.50	50.00
	2-3 ft. XX	.75	7.00	60.00

SPECIMEN EVERGREENS—For Landscape Planting

(Prices in this section include ball and burlap)

The following are well developed trees which have been several times transplanted and are dug with a solid ball of earth securely burlapped and bound. They are much heavier to handle, but easier to plant and more certain to grow. In planting do not remove the burlap. After the tree is in place and hole partly filled to hold it, cut the burlap loose around the top and pour in plenty of water. Large trees over 8 feet should be ordered before hard freezing so they can be mulched for digging and the ball of dirt frozen solidly before moving. Imperfect specimens (defective on one side or at the bottom) can often be used as effectively in groups and will be priced according to quality. Each X represents one transplanting.

	Size	Each
ARBORVITAE—American	18-24 in. XXX	\$1.50
Sheared Trees.	2-3 ft. XXX	2.00
	3-4 ft. XXX	2.50
	4-5 ft. XXX	3.00
	5-6 ft. XXX	4.00
Globe	10-12 in. XX	1.00
A dwarf form which makes compact globes without trimming.	12-15 in. XX	1.50
	15-18 in. XX	2.00
	18-24 in. XX	2.50
Geo. Peabody's Golden	15-18 in. XXX	2.00
A clear golden yellow on the tips, needs shearing to make it compact.	18-24 in. XXX	2.50
Pyramidal	9-12 in. XXX	.75
Grows in columnar form without shearing.	12-15 in. XXX	1.00
	15-18 in. XXX	1.50
	18-24 in. XXX	2.25
	2-2½ ft. XXX	3.00
	2½-3 ft. XXX	4.00
Siberian	12-15 in. XX	1.50
The hardiest of all the Arborvitae, very compact, broadly conical in form and with dense dark green foliage.	15-18 in. XXX	2.00
	18-24 in. XXX	2.50
	2-2½ ft. XXX	3.50
FIR—Balsam	3-4 ft. XXX	3.00
A native of Iowa and Northeast. It should have moist soil. The leaves and branches are delightfully fragrant.	4-5 ft. XXX	3.50
	5-6 ft. XXX	4.00
Concolor	18-24 in. XXX	4.00
Larger sizes quoted on application.	2-2½ ft. XXX	5.00
	2½-3 ft. XXX	6.00
	3-4 ft. XXX	7.00
Douglas—Also known as Douglas Spruce	2½-3 ft. XXX	4.00
	3-4 ft. XXX	5.00
	4-5 ft. XXX	6.00
HEMLOCK	12-18 in. XX	2.00
Native to northeastern United States. A slow growing, graceful tree with short, flat needles, bright green above, silvery beneath.	2½-3 ft. XXX	5.00
	3-3½ ft. XXX	6.00
	3½-4 ft. XXX	7.50
	4-5 ft. XXX	9.00
	5-6 ft. XXX	10.00
	6-7 ft. XXX	12.00

SPECIMEN EVERGREENS—Continued

	Size	Each
JUNIPER—Pätzner's	12-15 in. XX	2.00
A variety of the Chinese Juniper. The foliage is bluish green and the branches grow out horizontally from the stem, which gives the tree an individuality of its own. Sizes apply to width rather than height.	15-18 in. XXX	3.00
	18-24 in. XXX	4.00
	2-2½ ft. XXX	5.00
	2½-3 ft. XXX	6.00
J. cracovica	12-15 in. XX	1.00
An upright, many-branched variety with silvery green foliage.	15-18 in. XX	1.50
J. Horizontalis glauca	15-18 in. XX	2.00
A very low ground-covering type with thread-like steel blue foliage. Rapid growing, dense, and very fine.	2-2½ ft. XX	3.00
J. sabina tamariscifolia	12-15 in. XX	1.50
A vigorous low-growing variety about 1 ft. high and wide-spreading with bluish gray-green foliage.	15-18 in. XX	2.00
Savin	9-12 in. XX	1.50
A bushy little tree with semi-erect branches and clear green foliage. It is excellent for foundation plantings and in rockeries or dry sunny places.	12-15 in. XX	2.50
	15-18 in. XX	3.00
	18-24 in. XX	4.00
Virginian, Red Cedar	18-24 in. XX	1.50
	2-3 ft. XX	2.00
	3-4 ft. XX	3.00
	4-5 ft. XXX	4.50
	5-6 ft. XXX	6.00
	6-7 ft. XXX	7.50
LARCH—European	18-24 in. XX	1.00
A conifer, but not an evergreen.	2-3 ft. XX	1.50
	3-4 ft. XX	2.50
	6-7 ft. XX	5.00
PINE—Bull	3-4 ft. XXX	2.50
Long, coarse needles; excellent in the background.	4-5 ft. XXX	3.50
Larger sizes quoted on application.	5-6 ft. XXX	4.50
	6-7 ft. XXX	6.00
Mugho, Dwarf Mountain Pine	9-12 in. XX	1.50
This makes a compact dome-shaped bush broader than high. Sizes apply to width rather than height.	12-15 in. XX	2.00
	2-2½ ft. XXX	6.00
	2½-3 ft. XXX	7.50
Red	6-7 ft. XXX	5.00
A native of northern Wisconsin. Needles long and soft and a very pretty green. One of the most beautiful pines.		
Scotch	3-4 ft. XXX	3.00
Bright green at all times and endures city conditions exceptionally well. May be sheared into any form.	6-7 ft. XXX	5.00

SPECIMEN EVERGREENS—Continued

	Size	Each
White	2-3 ft. XX	2.50
The softest foliage of the pines. Endures some shade and is the longest-lived pine here.	6-7 ft. XXX	6.00
SPRUCE—Black Hills	12-15 in. XXX	1.25
A native of the Black Hills. It does very well over a wide range and makes the finest specimens of all Spruce. This is a very variable species, ranging from very compact dwarfs to more open, rapid-growing trees, and from clear green to silvery blue-green.	15-18 in. XXX	1.50
	18-24 in. XXX	2.00
	2-2½ ft. XXX	2.50
	2½-3 ft. XXX	3.00
	3-4 ft. XXX	4.00
	4-5 ft. XXX	5.00
	5-6 ft. XXX	6.50
	6-7 ft. XXX	8.00
Colorado Blue		
A native of Colorado. It varies from clear green to glistening silvery blue. They are slow-growing and very compact, making the finest lawn specimens.		
Selected Blue Specimens or Shiners	18-24 in. XXX	6.00
	2-2½ ft. XXX	7.50
	2½-3 ft. XXX	10.00
	3-4 ft. XXX	12.50
	4-5 ft. XXX	15.00
	5-6 ft. XXX	17.50
Green Specimens	2-2½ ft. XXX	3.00
These often, but not always, develop a blue color with age.	2½-3 ft. XXX	3.50
	3-4 ft. XXX	4.50
	4-5 ft. XXX	6.00
	5-6 ft. XXX	8.00
Norway	2-3 ft. XXX	2.50
	3-4 ft. XXX	3.00
White, American White Spruce	2-3 ft. XXX	2.00
Resembles Black Hills Spruce, though less compact and more rapid-growing.	3-4 ft. XXX	3.00
	4-5 ft. XXX	4.00
	5-6 ft. XXX	5.00
	6-7 ft. XXX	6.50
YEW—Taxus canadensis, Canada Yew	9-12 in. XX	1.00
Requires shade.	12-15 in. XX	1.50
Taxus cuspidata brevifolia, Japanese Yew	6-9 in. XX	1.00
Prefers some shade.	9-12 in. XX	1.50

DECIDUOUS TREES AND SHRUBS

This year we are listing these under one heading, as it is difficult to distinguish between trees and shrubs and there is no reason for trying to do so. Preference is given the botanical names except where common names are well established and better known. We can furnish much larger specimens of many of these trees and shrubs where they can be delivered by truck, and invite correspondence regarding any such sizes which may be wanted. If larger quantities are wanted than are quoted, ask for prices. The sizes given with the description are the average size at maturity.

	Size	Each	Per 10
ACANTHOPANAX pentaphyllum	2 to 3 ft.	\$0.50	\$ 4.00
Shrub, 6 to 8 ft. Spiny.	3 to 4 ft.	.60	5.00
AILANTHUS, Tree of Heaven	3 to 4 ft.	.90	8.00
Medium, not fully hardy north.	4 to 5 ft.	1.25	10.00
ALMONDS —Flowering See <i>Prunus Glandulosa</i> .			
ALTHEAS, Rose of Sharon	2 to 3 ft.	.60	5.00
Shrub, 10 to 12 ft. where hardy. Vari- ous colors.	3 to 4 ft.	.75	6.50
AMELANCHIER. See Juneberries, Page 4.			
ARONIA arbutifolia, Red Chokeberry	12 to 18 in.	.50	4.00
Shrub, 6 to 10 ft. Red berries in fall.	18 to 24 in.	.75	6.00
Melancarpa, Black Chokeberry	2 to 3 ft.	1.00	9.00
Shrub, 4 to 6 ft. Black fruit in early fall.			
ASH —American	7 to 8 ft.	1.00	10.00
Large, native tree.	8 to 10 ft.	1.50	14.00
	10 to 12 ft.	2.00	18.00
BARBERRY, Japanese			
See under Hedge Plants.			
BIRCH —European White	5 to 6 ft.	1.75	16.00
Medium, plant only in early spring.	6 to 8 ft.	2.50	22.00
BLADDERNUT, Staphylea Trifolia	18 to 24 in.	.50	4.00
Shrub, 8 to 10 ft. Compound leaves. Green striped branches.			
BUTTERFLY BUSH, Buddleia	strong 2-year	.50	4.00
Shrub, 3 to 8 ft. Spikes of rose colored flowers with orange eye, from July on.	strong 1-year	.25	2.00
BUTTON BUSH, Cephalanthus occidentalis	18 to 24 in.	.50	4.00
Dense shrub, 4 to 6 ft. Flowers in round balls, greenish white, in July.	4 to 5 ft.	1.00	9.00
CARAGANA, Siberian Pea Tree	18 to 24 in.	.30	2.00
Small tree, to 20 ft. Soft pea green foliage, very early, and bright yellow flowers.	2 to 3 ft.	.40	3.00
	3 to 4 ft.	.50	4.00
CATALPA —Speciosa, Western Catalpa....	5 to 6 ft. whips	.75	6.50
Large. Flowers abundantly in June.	6 to 8 ft.	1.25	10.00
Bungei —Grafted heads	5½ to 6 ft. stems	3.00	25.00
Flatly globular tops.	5 to 5½ ft. stems	2.50	20.00

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
CLETHRA Alnifolia, Summersweet	12 to 18 in.	.50	4.00
Shrub, 3 to 5 ft. Fragrant creamy-white flowers in upright racemes in August-September.	18 to 24 in.	.75	6.00
CORALBERRY, Indian Currant, Symphoricarpos vulgaris	12 to 18 in.	.25	2.00
Shrub, 2 to 5 ft. Endures dense shade.	18 to 24 in.	.30	2.50
Covered with red berries in early winter.	2 to 3 ft.	.40	3.00
CORNUS, Dogwood alternifolia, Pagoda Dogwood	18 to 24 in.	.60	5.00
Shrub to 20 ft. Horizontal branches, red twigs, blue berries.	2 to 3 ft.	.75	6.50
	3 to 4 ft.	1.00	9.00
elegantissima or variegated leaved	2 to 3 ft.	1.00	9.00
Shrub, 6 to 8 ft. Bright red branches. Silver variegated foliage.	3 to 4 ft.	1.25	11.00
florida	18 to 24 in.	.75	6.00
Small tree, 3-3½ inch white flowers before the leaves. Fall foliage colors beautifully. Fruit bright red.	2 to 3 ft.	1.25	11.00
	3 to 4 ft.	2.00	18.00
alba siberica, red twigged	18 to 24 in.	.30	2.50
Shrub, 8 to 10 ft. Branches blood red.	2 to 3 ft.	.40	3.50
	3 to 4 ft.	.50	4.50
stolonifera lutea, yellow twigged	12 to 18 in.	.30	2.50
Shrub, 6 to 8 ft. Golden yellow branches.	18 to 24 in.	.40	3.50
	2 to 3 ft.	.50	4.50
mas, Cornelian Cherry	18 to 24 in.	1.00	9.00
Small tree with yellow flowers before the leaves. Red fruit attractive to the birds.	2 to 3 ft.	1.25	11.00
COTONEASTER, Acutifolia, Peking cotoneaster	18 to 24 in.	.50	4.50
Shrub, 10 ft. Shiny green leaves and black fruit. Splendid hedge plant.	2 to 3 ft.	.60	5.50
CRABS—All small growing trees, flowering in May.			
Bechtel's Double Flowering	18 to 24 in.	.75	6.00
Double rose pink fragrant flowers.	2 to 3 ft.	1.00	9.00
	3 to 4 ft.	1.50	12.00
	4 to 5 ft.	2.00	18.00
	5 to 6 ft.	2.50	22.50
Carmine, atrosanguinea	18 to 24 in.	.75	6.00
Single brilliant carmine flowers.	2 to 3 ft.	1.00	9.00
	3 to 4 ft.	1.25	12.00
Hoppa, Hansen's Red Siberian	3 to 4 ft.	1.25	10.00
More rapid growing kind with red flowers, fruit, new growth, and wood. Similar to the old Red Vein variety and we believe will displace it.	4 to 5 ft.	1.50	12.50
	5 to 6 ft.	1.75	15.00

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
Parkman	3 to 4 ft.	1.50	12.50
Double bright rose red on slender stems.	4 to 5 ft.	2.00	18.00
CRANBERRY, Highbush, Viburnum			
opulis	12 to 18 in.	.60	5.00
Shrub, 6 to 10 ft. Bright scarlet fall fruit.	18 to 24 in.	.75	7.00
	2 to 3 ft.	1.00	9.00
CURRENTS, Ribes			
Odoratum, fragrant yellow flowers.....	2 to 3 ft.	.50	4.50
Very early. Shrub, 4 to 6 ft.	3 to 4 ft.	.60	5.50
Alpine, Mountain Currant	12 to 15 in.	.50	4.00
Dwarf, compact, shade-enduring shrub, 2 to 3 ft. Splendid hedge plant.	15 to 18 in.	.60	5.00
	18 to 24 in.	.75	6.00
DESMODIUM pendulifolium	2-year No. 1	.75	7.00
Half shrub, 3 to 5 ft. Drooping racemes, Magenta purple flowers late summer.			
DEUTZIA crenata	2 to 3 ft.	.50	4.50
Shrub, 3 to 6 ft. Pinkish flowers.			
Lemoine	18 to 24 in.	.75	7.00
Small shrub. Large, pure white flowers.			
ELDER, Sambucus			
Canadensis, Common American Elder...	2 to 3 ft.	.40	3.50
6 to 12 ft.	3 to 4 ft.	.50	4.00
Cut Leaved	2 to 3 ft.	.40	3.50
A variety with finely cut foliage.	3 to 4 ft.	.50	4.00
Golden	2 to 3 ft.	.40	3.50
A variety with golden yellow foliage.	3 to 4 ft.	.50	4.00
Red Berried, pubens	18 to 24 in.	.40	3.50
Shrub, 6 to 8 ft. Red berried when the others are in bloom.	2 to 3 ft.	.50	4.50
ELM—American White			
Large tree, endures almost all conditions.	5 to 6 ft.	.60	5.00
	6 to 7 ft.	.90	8.00
	7 to 8 ft.	1.00	9.00
	8 to 10 ft.	1.50	14.00
	10 to 12 ft.	2.00	19.00
Moline	3 to 4 ft.	1.00	9.00
Tall, upright growing tree with very large leaves thickly spaced.	4 to 5 ft.	1.25	11.00
	5 to 6 ft.	1.50	12.50
	6 to 8 ft.	2.00	17.50
Weeping	2-year heads	3.00	
A pendulous form with umbrella-shaped tops grafted about 6 ft. high.	1-year heads	2.25	

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
EUONYMUS			
alatus, Winged Wahoo	18 to 24 in.	1.00	9.00
Broad corky wings on twigs, red berries, brilliant autumn foliage. A very attractive shrub at all seasons. 6 to 8 ft.	2 to 3 ft.	1.50	12.50
	3 to 4 ft.	2.00	18.00
atropurpurea, Burning Bush	12 to 18 in.	.40	3.00
A native shrub, 6 to 12 ft. Copious crimson fruit in autumn.	18 to 24 in.	.50	4.00
radicans	15 to 18 in.	.60	5.00
An evergreen shrubby vine for planting in protected places.			
FORSYTHIA intermedia, Yellow Bells	18 to 24 in.	.40	3.00
Yellow flowers, very early. Shrub 6 to 8 ft.	2 to 3 ft.	.50	4.00
	3 to 4 ft.	.60	5.00
GINKGO, Maiden Hair Tree	3 to 4 ft.	1.75	15.00
Medium size, symmetrical tree which has remained unchanged through the geological ages.	4 to 5 ft.	2.50	22.50
HACKBERRY	5 to 6 ft.	1.25	10.00
Large, strong, rapid growing, splendid shade tree.	6 to 7 ft.	1.50	12.50
	7 to 8 ft.	2.00	17.50
	8 to 10 ft.	2.50	22.00
HONEYSUCKLE, Lonicera			
Bella Albida	18 to 24 in.	.40	3.00
Upright shrub, 8 to 10 ft., white flowers.	2 to 3 ft.	.50	4.00
Morrow's	18 to 24 in.	.40	3.00
Broad spreading bush, 6 to 8 ft., pinkish flower.	2 to 3 ft.	.50	4.00
Tartarian, Pink or White	18 to 24 in.	.40	3.00
Upright shrub 6 to 8 ft. Pink or white flowers.	2 to 3 ft.	.50	4.00
HOP TREE	3 to 4 ft.	.75	6.00
Small. Glossy foliage with hop-like odor.	4 to 5 ft.	1.00	9.00
	5 to 6 ft.	1.25	11.00
HYDRANGEA			
Arborescens, Hills of Snow	12 to 18 in.	.45	4.00
Shrub 5 to 8 ft. Shade-enduring.	18 to 24 in.	.60	5.00
	2 to 3 ft.	.75	6.50
Paniculata grandiflora			
Hardy Hydrangea.			
Bush Form	12 to 18 in.	.40	3.00
Shrub, 5 to 9 ft. Very large panicles turning reddish, then brown.	18 to 24 in.	.60	5.00
	2 to 3 ft.	.75	6.00
	3 to 4 ft.	1.00	9.00
Tree Form	3 to 4 ft.	1.75	
	4 to 5 ft.	2.50	

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
KENTUCKY COFFEE TREE	2 to 3 ft.	1.00	
Medium. Large compound leaves.	3 to 4 ft.	1.25	
Short, thick, fleshy seed pods.			
LILACS, Botanically Syringa			
Prefer a limestone soil.			
Common Purple and Common White	18 to 24 in.	.45	4.00
	2 to 3 ft.	.60	5.00
S. Japonica, Tree Lilac	3 to 4 ft.	1.25	12.00
Small tree, yellowish white flowers	4 to 5 ft.	1.50	14.00
in immense panicles, very late.			
S. josikaea	18 to 24 in.	.60	5.00
Upright shrub 12 to 15 ft. Dark	2 to 3 ft.	.75	7.00
glossy foliage and bluish purple	3 to 4 ft.	1.00	9.00
flowers. Very late.			
S. microphylla	18 to 24 in.	1.50	14.00
Arching shrub 6 to 8 ft. Pale laven-	2 to 3 ft.	2.00	18.00
der flowers in June and again in			
autumn.			
S. persica, Persian	18 to 24 in.	.60	5.00
Arching shrub 5 to 10 ft. Fine	2 to 3 ft.	.75	7.00
foliage and pale lilac flowers.	3 to 4 ft.	1.00	9.00
S. rothmagenesis, Rouen	18 to 24 in.	.60	5.00
Upright shrub 6 to 10 ft. Fine	2 to 3 ft.	.75	7.00
twigs and rosy lavender flowers.	3 to 4 ft.	1.00	9.00
LILACS—Named Varieties, "French			
Lilacs"			
Alphonse Lavalle	3 to 4 ft.	1.75	
Double. Violet-blue panicles.			
Belle de Nancy	18 to 24 in.	1.00	
Double. Rose and white.	2 to 3 ft.	1.25	
Charles Tenth	18 to 24 in.	1.00	
Reddish purple, single.	2 to 3 ft.	1.25	
Dr. Von Regal	18 to 24 in.	1.00	
Single, rose-mauve.	2 to 3 ft.	1.25	
Jean Bart	18 to 24 in.	1.00	
Double, rosy-carmine.	2 to 3 ft.	1.25	
Leon Ganbetta	18 to 24 in.	2.00	
Double, large, lilac-rose.			
Louvain, Lovaniensis	18 to 24 in.	1.00	
Single, silvery pink.			
Ludwig Spaeth	2 to 3 ft.	1.25	
Single, very dark purple.	3 to 4 ft.	1.50	
Mme. Casimir Perier	3 to 4 ft.	1.75	
Double, white, dwarf growing.			

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
Mme. Lemoine	12 to 18 in.	.75	
Double, large, white.	18 to 24 in.	1.00	
	2 to 3 ft.	1.25	
	3 to 4 ft.	1.50	
Michael Buchner	18 to 24 in.	1.00	
Double, pale lilac.	2 to 3 ft.	1.25	
Oliver de Sierres	18 to 24 in.	1.00	
Double, pale lilac-blue.			
Philemon	18 to 24 in.	1.00	
Single, dark reddish purple.	2 to 3 ft.	1.25	
Pres. Grevy	18 to 24 in.	1.00	
Double, very fine, blue.	2 to 3 ft.	1.25	
	3 to 4 ft.	1.50	
Pres. Viger	18 to 24 in.	1.00	
Double, fine bluish-lilac.	2 to 3 ft.	1.25	
Prince de Beauvau	18 to 24 in.	1.00	
Double, violet.			
Rubra d' Marley	12 to 18 in.	.75	
Double, purplish-red.	18 to 24 in.	1.00	
	2 to 3 ft.	1.25	
Statgartner Rothpelz	18 to 24 in.	1.00	
Double, reddish purple.	2 to 3 ft.	1.25	
Volcan	18 to 24 in.	1.00	
Single, large, ruby red.			
Wm. Robinson	18 to 24 in.	1.00	
Double, rosy lilac.	2 to 3 ft.	1.25	
LINDEN—American	5 to 6 ft.	1.50	12.50
Large. Splendid native shade tree.	6 to 8 ft.	2.00	18.00
	8 to 10 ft.	2.50	22.00
LOCUST—Honey, Thornless	3 to 4 ft.	.75	6.00
Large, a thornless form.			
MAPLE—Hard or Sugar	5 to 6 ft.	1.50	14.00
Large. Our best shade tree with bril-	6 to 7 ft.	2.00	18.00
liant fall coloring.	7 to 8 ft.	2.50	22.50
	8 to 10 ft.	3.00	28.00
Norway	5 to 6 ft.	1.50	14.00
Large. More rapid growing. Splen-	6 to 7 ft.	2.00	18.00
did dense, round-topped tree.	7 to 8 ft.	2.50	22.50
	8 to 10 ft.	3.50	32.00
	10 to 12 ft.	4.50	40.00
Tartarian, Ginala	18 to 24 in.	.75	6.00
Small, compact. Fine foliage with	3 to 4 ft.	1.50	12.00
the most brilliant fall coloring.			
Schwedler's Purple Leaved	5 to 6 ft.	3.50	
Large, bright purplish foliage in	6 to 8 ft.	4.50	
spring.			

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
Weir's Cut Leaved Weeping	4 to 5 ft.	1.25	
Large. Finely cut-leaved form of	5 to 6 ft.	1.50	
the Soft Maple.	6 to 8 ft.	2.00	
	8 to 10 ft.	2.50	
MOUNTAIN ASH—European	4 to 5 ft.	.75	6.00
Medium. Upright; whitish flower	5 to 6 ft.	1.00	9.00
clusters in spring and orange or red	6 to 7 ft.	1.25	11.00
berries late in the fall.	7 to 8 ft.	1.50	12.50
	8 to 10 ft.	2.00	17.50
Oak Leaved	6 to 7 ft.	2.00	
MULBERRY—Russian	3 to 4 ft.	.40	3.50
Medium, rapid growing tree, bearing	4 to 5 ft.	.50	4.00
fruit much prized by birds in June.	5 to 6 ft.	.60	5.00
Extensively planted in places for			
hedges and windbreaks.			
Weeping	2-year heads	5.00	
Grafted on the upright form 5 or 6	1-year heads	4.00	
feet high.			
OAK—Burr	6 to 7 ft.	2.50	24.00
Large. One of our sturdiest native	7 to 8 ft.	3.00	28.00
trees.	8 to 10 ft.	4.00	36.00
	10 to 12 ft.	5.00	45.00
Pin	5 to 6 ft.	2.25	20.00
Large. Rapid growing with brilliant	6 to 7 ft.	3.00	25.00
fall foliage retained late.	7 to 8 ft.	4.00	35.00
	8 to 10 ft.	5.00	45.00
OLIVE—Russian	3 to 4 ft.	.60	5.00
Medium, leaves and young twigs covered	4 to 5 ft.	.75	7.00
with silvery scales. Fragrant	5 to 6 ft.	1.00	9.00
yellow flowers in spring. Silvery	6 to 7 ft.	1.25	11.00
coated berries in fall. May be trimmed			
into a fine tall hedge.			
PEARL BUSH, Exochordia	2 to 3 ft.	1.00	9.00
6 to 10 ft. Pearl-like buds opening			
pure white in May.			
PERSIMMON, From Iowa Seed	3 to 4 ft.	1.00	9.00
Small tree with splendid foliage and	4 to 5 ft.	1.50	12.50
bearing edible fruit late in fall.	5 to 6 ft.	2.00	16.00
PHILADELPHUS, Mockorange; Syringa.			
Avalanche	18 to 24 in.	.50	4.50
4 to 6 ft. Very fragrant.	2 to 3 ft.	.75	6.50
Banniere	18 to 24 in.	.50	4.00
6 to 10 ft. Tall, semi-double, very	2 to 3 ft.	.60	5.00
early.	3 to 4 ft.	.75	6.00
Bouquet Blanc	2 to 3 ft.	1.00	8.00
4 to 6 ft. Double flowers.	3 to 4 ft.	1.25	10.00
Coronarius the common Mockorange	18 to 24 in.	.40	3.50
8 to 10 ft. Very fragrant.	2 to 3 ft.	.50	4.50
	3 to 4 ft.	.60	5.50

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
Coronarius nana , 3 ft. bush	18 to 24 in.	1.00	
Golden, Aurea	12 to 15 in.	.60	5.00
Dwarf, golden leaves, compact, flowers small.	15 to 18 in. 2 to 2½ ft.	.75 1.25	7.00 11.00
Virginale	18 to 24 in.	.75	7.00
6 to 8 ft. Very large, very frag- rant, flowers over a long season.	2 to 3 ft.	1.00	9.00
PHOTINIA villosa , Christmas berry	2 to 3 ft.	1.00	8.00
Shrub, 5 to 8 ft., corymbs of white flowers in June; brilliant fall foliage and scarlet berries till midwinter.	3 to 4 ft.	1.25	10.00
PHYSOCARPUS opulifolia aurea , Nine- bark; or Golden Spirea	18 to 24 in.	.40	3.50
Shrub 8 to 10 ft. White flowers and red seed pods.	2 to 3 ft. 3 to 4 ft. 4 to 5 ft.	.50 .60 .90	4.00 5.00 8.00
Monygonma	18 to 24 in.	.50	4.00
4 to 6 ft., compact bush, clear green foliage.			
POPLAR—Carolina	5 to 6 ft.	.40	3.00
Large, most rapid growing poplar.	6 to 8 ft.	.50	4.00
Smaller sizes under Forest Tree Seed- lings.	8 to 10 ft. 10 to 12 ft.	.75 1.00	6.00 9.00
Lombardy	5 to 6 ft.	.75	5.00
Large, strictly fastigiate habit.	6 to 8 ft. 8 to 10 ft. 10 to 12 ft.	1.00 1.25 1.50	8.00 10.00 14.00
POTENTILLA Fruticosa	12 to 18 in.	.40	3.00
Shrub 1 to 4 ft. Bright yellow flowers through the summer.	18 to 24 in.	.50	4.00
PRIVETS —See under Hedge Plants.			
PRUNUS—Cestena, Hansen's Purple Leaved	3 to 4 ft.	1.00	9.00
Small. Bright reddish purple foliage throughout the season.	4 to 5 ft. 5 to 6 ft.	1.25 1.50	11.00 12.50
Glandulosa, Flowering Almonds	18 to 24 in.	.75	6.50
Small shrubs, double flowers before the leaves, either white or pink.	2 to 3 ft.	1.00	9.00
Padus, May Day Tree	3 to 4 ft.	1.00	9.00
European Bird Cherry. Medium tree.	4 to 5 ft.	1.25	11.00
Must be planted very early.	5 to 6 ft.	1.50	14.00
Pennsylvanica, Wild Bird Cherry	3 to 4 ft.	.75	6.00
Medium, rapid growing, bears bright red fruit in clusters.	4 to 5 ft.	1.00	8.00
Serotina	3 to 4 ft.	.75	6.00
Medium. Our native wild black cherry. Attractive in flower and fruit with good fall coloring.	4 to 5 ft. 5 to 6 ft.	1.00 1.25	8.00 10.00

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
Siberica, Siberian Almond	12 to 18 in.	.75	7.00
Shrub, 3 ft., single pink flowers, very early.	18 to 24 in.	1.00	9.00
Subhirtella and other Japanese Flower- ing Cherries can be furnished in lim- ited quantities. Write for special list.			
Tomentosa, Nanking Cherry	18 to 24 in.	.60	5.00
Small. Pink buds and white flowers, very early, red edible fruits.	2 to 3 ft. 3 to 4 ft.	.75 1.00	6.50 9.00
Triloba, Double Flowering	18 to 24 in.	.60	5.00
Small. Double flowering, clear pink flowers.	2 to 3 ft. 3 to 4 ft.	.75 1.00	6.50 9.00
QUINCE, Cydonia japonica	18 to 24 in.	.60	5.00
Japanese flowering, 1 to 2 in. scarlet flowers in early spring. Shrubs 3 to 6 ft.	2 to 3 ft. 3 to 4 ft.	.75 1.00	7.00 9.00
RED BUD or JUDAS TREE	18 to 24 in.	.60	5.00
Small tree with bright pink flowers before the leaves appear.	2 to 3 ft. 3 to 4 ft. heavy	.75 1.25	6.00 11.00
RHODOTYPHUS kerroides, Jetbead,			
White Kerria	18 to 24 in.	.60	5.50
Shrub 3 to 6 ft. Single white flowers black seeds.	2 to 3 ft.	.75	7.00
ROSE ACACIA, Robinia hispida	18 to 24 in.	.60	5.00
Spreading 2 to 4 ft., bristly branches, bright rose colored flowers.	2 to 3 ft.	.75	6.00
Tree form		1.50	12.50
Grafted on Locust stems, 3 to 4 ft.			
SNOWBALL, Viburnum opulis sterilis	12 to 18 in.	.40	3.50
Well known shrub, 5 to 8 ft.	18 to 24 in. 2 to 3 ft. 3 to 4 ft. 4 to 5 ft.	.60 .75 1.00 1.25	5.50 7.00 8.50 11.00
SNOWBERRY, Symphoricarpos			
racemosus	18 to 24 in.	.40	3.00
2 to 5 ft. White berries in fall, very shade-enduring.	2 to 3 ft. 3 to 4 ft.	.50 .60	4.00 5.00
SORBARIA sorbifolia, False Spirea,			
Ash Leaved Spirea	18 to 24 in.	.40	3.00
2 to 4 ft. Splendid foliage, creamy white flowers in July.	2 to 3 ft.	.50	4.00
SPIREA			
Anthony Waterer	12 to 15 in.	.45	3.50
Pink, very dwarf.	15 to 18 in. 18 to 24 in.	.60 .75	5.00 6.50
arguta	18 to 24 in.	.50	4.50
3 to 6 ft. Very early, white flowers.	2 to 3 ft.	.60	5.50
billardi	18 to 24 in.	.45	3.50
3 to 5 ft. Pink flowers in spikes.	2 to 3 ft.	.60	5.00

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
callosa alba	12 to 15 in.	.45	4.00
2 to 3 ft. Dwarf, white.	2 to 2½ ft.	.75	7.00
froebeli	12 to 18 in.	.30	2.50
2 to 3 ft., pink, dwarf, new growth pinkish.	18 to 24 in.	.45	3.50
thunbergi	18 to 24 in.	.50	4.50
2 to 4 ft. Very fine foliage and twigs, early, white.	2 to 3 ft.	.60	5.50
vanhoutti, Bridal Wreath	12 to 18 in.	.25	2.00
5 to 7 ft. Common Spirea. Light grade for hedge planting quoted on request.	18 to 24 in.	.35	3.00
	2 to 3 ft.	.45	4.00
	3 to 4 ft.	.60	5.00
SUMAC, Rhus			
Aromatic, R. canadensis	12 to 18 in.	.50	4.00
2 to 4 ft. Fragrant Sumac.	18 to 24 in.	.75	6.50
	2 to 3 ft.	1.00	-----
Staghorn Cut Leaved, R. typhina			
lacinata	18 to 24 in.	.40	3.50
Shrub up to 16 ft. Twigs velvety; foliage very finely cut.	2 to 3 ft.	.50	4.50
	3 to 4 ft.	.75	7.00
SYCAMORE—American	4 to 5 ft.	1.00	9.00
Large, grayish-green smooth bark.	5 to 6 ft.	1.50	14.00
Splendid shade tree.	6 to 8 ft.	2.00	18.00
TAMARIX	18 to 24 in.	.40	3.00
4 to 8 ft. Foliage feathery, flowers pink.	3 to 4 ft.	.60	5.00
THORN—Paul's Double Scarlet	4 to 5 ft.	2.50	24.00
Small tree. Very double, deep crimson flowers.	5 to 6 ft.	3.00	28.00
VIBURNUM—See also Snowball and Cranberry.			
carlesi	12 to 15 in.	2.00	
3 to 5 ft. Pinkish-white, very fragrant and rare.	15 to 18 in.	2.50	
	18 to 24 in.	3.00	
Cassinoides, Withered	18 to 24 in.	.80	7.00
5 to 7 ft. Pink fruit changing to blue. Brilliant fall foliage.	2 to 3 ft.	1.00	9.00
dentatum, Arrowwood	12 to 18 in.	.40	3.50
Shrub 8 to 10 ft. Succeeds in all locations and colors brilliantly in fall.	18 to 24 in.	.50	4.50
	2 to 3 ft.	.60	5.50
	3 to 4 ft.	.75	7.00
lantana, Wayfaring Tree	18 to 24 in.	.75	7.00
Shrub 10 to 15 ft. Thick rugose foliage, almost evergreen.	2 to 3 ft.	1.00	9.00
lento, Sheepberry	2 to 3 ft.	1.00	9.00
Bush to 15 ft. or more. Splendid foliage and edible fruit.	3 to 4 ft.	1.25	11.00

DECIDUOUS TREES AND SHRUBS—Continued

	Size	Each	Per 10
WEIGELIA			
Eva Rathke	18 to 24 in.	.75	7.00
Rich reddish-purple. 4 to 5 ft.	2 to 3 ft.	1.00	9.00
Rosea	18 to 24 in.	.60	5.00
4 to 6 ft. Bright pink. Not fully hardy.	2 to 3 ft.	.75	6.50
WILLOW—Laurel Leaved			
Medium. Broad tree. Shining dark green, broad leaves.	5 to 6 ft.	.75	6.00
	6 to 8 ft.	1.00	8.00
	8 to 10 ft.	1.25	10.00
Niobe Weeping	5 to 6 ft.	.90	8.00
Large tree. Golden yellow bark, very long pendulous branches.	6 to 8 ft.	1.25	11.00
	8 to 10 ft.	1.50	12.50
Pussy	3 to 4 ft.	.75	6.50
Small tree. Large, showy catkins.	4 to 5 ft.	.90	7.50
Ural, Siberian Hedgewood	18 to 24 in.	.50	4.00
Compact bush, 8 to 10 ft. Reddish twigs, bluish-green leaves.	2 to 3 ft.	.75	6.00

HEDGE PLANTS

(See also Arborvitae and Spruce under Evergreens, and Russian Mulberry under Forest Tree Seedlings)

BARBERRY, Japanese, Berberis thunbergi

Dense shrub, 2 to 5 ft. Brilliant red berries and fall foliage. An unexcelled thorny hedge plant for trimmed or untrimmed hedge.

	Size	Each	Per 10	Per 100
Seedlings	6 to 9 in.	-----	-----	\$ 5.00
Seedlings	9 to 12 in.	-----	-----	7.00
2-year branched	12 to 15 in.	.25	\$2.00	15.00
2-year branched	15 to 18 in.	.30	2.50	22.50
Heavy 3-year	18 to 24 in.	.40	3.50	30.00
Heavy 3-year	2 to 2½ ft.	.50	4.50	40.00
Heavy 3-year	2½ to 3 ft.	.60	5.50	50.00

Box, a very dwarf form of the above

variety	9 to 12 in.	.35	3.00	
	12 to 15 in.	.50	4.50	

COTONEASTER acutifolia	18 to 24 in.	.50	4.50	40.00
Splendid for medium size smooth hedge. Brilliant autumn coloring, perfectly hardy.				
Seedlings	{ 12 to 15 in.	-----	1.75	15.00
	{ 9 to 12 in.	-----	1.25	10.00

PRIVETS, Ligustrum

Amur River North	12 to 18 in.	.20	1.50	12.00
Upright growing. Privets are best for closely trimmed hedges.	18 to 24 in.	.25	2.00	17.50
	2 to 3 ft.	.35	2.50	24.00
	3 to 4 ft.	.40	3.50	30.00

HEDGE PLANTS—Continued

	Size	Each	Per 10	Per 100
Ibta	2 to 3 ft.	.35	3.00	25.00
Tall, much branched.	3 to 4 ft.	.45	3.50	32.00
Polish, European, L. vulgare	12 to 18 in.	.20	1.50	12.00
Upright, hardy, retains its foliage	18 to 24 in.	.25	2.00	17.50
uncolored very late.	2 to 3 ft.	.35	2.50	24.00
	3 to 4 ft.	.40	3.50	30.00
Regals, True Type	18 to 24 in.	.40	3.50	30.00
Low, dense shrub, horizontal branches.	2 to 2½ ft.	.50	4.50	40.00

ROSES

All plants offered are two-year field-grown bushes. One-half or more of the tops should be cut off and the bushes planted deeper than they stood in the Nursery.

CLIMBING ROSES

(All need winter protection except as noted)

- AMERICAN PILLAR, 75c:** Immense clusters; large, single; bright crimson, lighter center.
- BALTIMORE BELLE, 50c:** Blush-white, an old favorite, rather tender.
- CRIMSON RAMBLER, 50c:** Bright red, large clusters, the most popular climber.
- CLIMBING AMERICAN BEAUTY, 75c:** Large rich carmine, somewhat fragrant.
- DR. VAN FLEET, 75c:** Light pink, perfectly formed, pointed buds, long stems.
- DOROTHY PERKINS, 50c:** Delicate pink, large clusters, vigorous and healthy.
- EXCELSA, Red Dorothy Perkins, 50c:** Lighter red than Crimson Rambler, but more vigorous.
- FLOWER OF FAIRFIELD, 75c:** The so-called ever-blooming crimson Rambler.
- HIAWATHA, 50c:** Single, deep crimson with yellow center, very fragrant.
- LADY DUNCAN, 90c:** Pure pink, cross of Rosa Rugosa and Rosa Wichuriana.
- MAX GRAF, 90c:** Large, single shining pink, climbing rugosa. Excellent ground and rock cover, needs no protection.
- PAUL'S SCARLET, 90c:** Large, bright, pure red, semi-double, in clusters.
- PRAIRIE QUEEN, 50c:** Large globular, bright pink, one of the hardiest climbers.
- ROSA SETIGERA, 50c:** The wild prairie rose, single light pink flowers and bright red hips.
- ROSIERE, 75c:** A darker colored Thousand Beauties.
- SILVER MOON, 90c:** Silvery white with yellow stamens, quite tender.
- TAUSENDSCHON, 75c:** Large clusters ranging from bright pink to pure white.
- WHITE DOROTHY PERKINS, 50c:** The hardiest pure white climbing rose.
- WICHURIAN, Memorial, 50c:** Glossy foliage with very fragrant, creamy white flowers, prostrate grower.

HARDY ROSES

(Varieties which need no winter protection in Central Iowa)

- GROOTENDORST, 90c:** Hybrid of Rugosa X Baby Rambler; semi-double, small fringed, bright red roses in clusters produced continually. Perfectly hardy, good hedge variety.
- HARRISON YELLOW, 90c:** Small bright yellow, early in spring, perfectly hardy.
- HENRI MARTIN, 75c:** Rosy red, mossed heavily, fragrant.

ROSES—Continued

- HUGONIS**, 90c: A tall spring flowering shrub with yellowish flowers and small leaves.
- KAMCHATKA**, 75c: Double, red form of *Rosa Rugosa*, less attractive bush.
- MAD. PLANTIER**, 50c: Pure white, almost thornless, blooms in spring only.
- PERSIAN YELLOW**, 90c: Deepest yellow, Austrian brier.
- ROSA blanda**, 75c: Single, pink, 2 to 4 ft., splendid shrub, bright red hips.
- ROSA lucida**, 75c: Bright pink, 4 to 6 ft., shining foliage, bright red hips.
- ROSA rubrifolia**, 75c: A shrubby, perfectly hardy bush with reddish foliage, pink flowers, and a profusion of red hips, prefers partial shade.
- ROSA rugosa**, 75c: 4 to 7 ft., single, large bright red; wrinkled, tough foliage; continuous bloomer, very large crimson hips. Good shrub or hedge plant.
- ROSA rugosa alba**, 75c: White form of *Rosa Rugosa*.
- SALET**, 75c: Moss, large full rose pink.
- SEVEN SISTERS**, 50c: Double, large, varying from light red to white.
- SWEET BRIAR**, 90c: Pink flowers, fragrant foliage.
- WHITE MOSS**, 75c: Large, pure white, fragrant, heavily mossed.

OTHER ROSES

H. T. means Hybrid Tea; H. P. means Hybrid Perpetual. All these should have winter protection. The Baby Ramblers and H. T.'s are the most constant bloomers.

AMERICAN BEAUTY, 90c: H. P., large globe shaped, crimson.

BABY RAMBLERS, Polyanthas.

Named Varieties:

Clotilde Soupert, 90c: Very full, pearly white shaded pink.

Gruss an Aachen, 90c: Very large, light rose overlaid with yellow.

Jessie, 90c: Glowing crimson with white eye.

Lafayette, 90c: Large brilliant cherry-crimson flowers continuously.

Orleans, 90c: Geranium red with rose tint.

COLUMBIA, 90c: H. T., large, fragrant, continuous blooming, bright pink.

CONRAD F. MEYER, 90c: Hybrid *Rugosa*, delicate pink, tall upright grower.

EDWARD MAWLEY, 90c: H. T., very dark velvety crimson, most fragrant.

ETOILE De FRANCE, 90c: H. T., large cupped, velvety crimson, very fragrant.

FRAU KARL DRUSCHKI, 75c: H. P., the very purest white, continuous bloomer.

GEN. JACQUEMINOT, 75c: H. P., scarlet-crimson, early and fragrant.

GEN. McARTHUR, 90c: H. T., sweetly scented, brilliant crimson scarlet, very free bloomer.

GEO. ARENDS, 90c: H. P., large, fragrant, pink, called "Pink Druschki." Excellent.

GRUSS AN TEPLITZ, 90c: H. T., clear crimson-scarlet, the most continuous bloomer.

J. B. CLARK, 75c: H. P., very large, intense scarlet; vigorous grower.

JOHN HOPPER, 75c: H. P., large rosy red, fragrant, medium grower.

LADY HILLINGDON, 90c: H. T., long pointed buds opening apricot yellow.

LOLITA ARMOUR, 90c: *Pernetiana*, large, fragrant, chrome-yellow at base shading to bright salmon.

LOS ANGELES, 90c: H. T., coral pink shaded coppery gold, moderately hardy.

LUXEMBURG, 90c: H. T., large, rich coppery yellow, vigorous and free blooming.

MAGNA CHARTA, 75c: H. P., very large, rosy pink, tinted carmine.

MRS. JOHN LAING, 75c: Large, soft pink, pointed buds, vigorous grower.

ROSES—Continued

- MME. BUTTERFLY, 90c:** H. T., a more brilliant Ophelia, continuous bloomer.
OPHELIA, 90c: H. T., salmon-flesh, fragrant, long stems, very productive.
PAUL NEYRON, 75c: H. P., very largest, clear pink, fragrant, thornless.
PRINCE CAMILLE De ROHAN, 75c: H. P., dark blood red, large, fragrant, rather weak grower.
RADIANCE, 90c: H. T., fine salmon pink, long stems, very productive.
RED RADIANCE, 90c: H. T., deep red, finest form, extremely productive.
ROSE MARIE, 90c: H. T., clear rose pink, long pointed buds.
SUNBURST, 90c: H. T., bright orange yellow with paler edge.
SOLEIL D' OR, 90c: Orange yellow varying to ruddy gold, not continuous.
SOUV. D' CLAUDIUS PERNET, per. 90c: H. T., deep yellow, considered the best deep yellow rose.
ULRICH BRUNER, 75c: H. P., large, fragrant, cherry red, vigorous.
WILLOWMERE PER., 90c: Very large, double, rich shrimp pink shaded yellow.

CLIMBING VINES

(Two-year No. 1 plants except as noted)

AMPELOPSIS, Ivy

	Each	Per 10
Englemanni—Clings to smoothest walls, hardiest	\$0.50	\$4.00
Medium grade .....	.35	2.50
Veitchii, Boston Ivy—More refined but less hardy	1.00	9.00
Medium grade .....	.75	6.00
ARISTOLOCHIA, Dutchman's Pipe, large leaf	1.25	
“ “ small leaf .....	.60	
BITTERSWEET, Celastrus scandens, native bittersweet .....	.50	4.50
“ orbiculatus, Japanese bittersweet .....	.50	4.50
CLEMATIS—Coccinia, fleshy, bell-shaped red flower .....	.50	4.50
Henryi, large, white	1.25	10.00
Jackmanni, large, purple	1.25	10.00
Mad. Ed. Andre, large, wine red	1.25	10.00
Paniculata, small white flowers .....	.50	4.50
HONEYSUCKLE—Scarlet Trumpet, continuous bloomer, almost evergreen .....	.50	4.00
Medium grade .....	.35	2.50
HOP VINE .....	.50	4.00
MATRIMONY VINE .....	.50	3.50
TRUMPET VINE, Bignonia, large, red trumpets through summer ..	.50	4.50
WISTARIA—Purple .....	.50	4.50
White .....	.60	5.00

PEONIES

We do not keep a stock of the more expensive varieties in storage for spring planting, so any order for them will be held till fall, which is the very best time to plant peonies.

Prices are for standard divisions of 3 to 5 eyes or buds. Undivided clumps figured on this basis.

- ASA GRAY**, \$1.00: Semi-rose type, mid-season, pink with carmine dots.
ADOLPHE ROSSEAU, \$1.50: Semi-double, early, brilliant red.
AGNES M. KELWAY, 40c: Crown type, early, pale rose with creamy center.
AVALANCHE, \$1.00: Crown type, late, very fine milk white.
AUGUSTIN D'HOUE, 75c: Bomb type, tall, mid-season, rich scarlet purple.
BARONESS SCHROEDER, \$1.25: Rose type, late, flesh color fading white.
COUROUTE D'OR, 50c: Semi-rose type, late, white with yellow stamens.
CLAIRE DUBOIS, \$1.00: Rose type, tall, late, fine pink with glossy reflex.
DELACHEI, 75c: Rose type, late, brilliant dark maroon.
DENIS HELYE, 50c: Semi-rose type, mid-season brilliant red.
EDULIS SUPERBA, 50c: Crown type, very early, bright pink.
ENCHANTRESSE, \$5.00: Rose type, very late, creamy white.
ELWOOD PLEAS, \$4.00: Rose type, late mid-season, tall, light shell-pink.
FESTIVA MAXIMA, 50c: Rose type, early, pure white, tipped carmine.
FRANCOISE ORTEGAT, 75c: Semi-rose type, mid-season, deep crimson.
FELIX CROUSSE, 75c: Rose type, late mid-season, bright ruby red.
FRAGRANS, 40c: Bomb type, mid-season, deep pink.
GOLDEN HARVEST, 40c: Bomb type, mid-season, pink, creamy white center.
GRANDIFLORA, 50c: Rose type, late, very bright pink.
GROVER CLEVELAND, \$1.00: Rose type, late, large, dark crimson.
H. F. REDDICK, \$1.00: Semi-rose type, mid-season, brilliant crimson.
JENNY LIND, \$1.00: Bomb type, tall, mid-season, light pink interspersed with white.
JUBILEE, \$4.00: Rose type, very tall, white with delicate pink center.
KARL ROSENFELD, \$1.25: Semi-rose type, mid-season, rich blood red.
LE CYGNE, \$15.00: Rose type, pure white, has the very highest rating.
LADY ALEXANDER DUFF, \$3.50: Rose type, early, pink fading white.
LATULIP, 50c: Semi-rose type, flesh pink fading white, red markings.
L'ESPERANCE, 50c: Rose type, very early, rose pink.
LIVINGSTONE, 75c: Rose type, late, deep pink, fine cut flower.
LONGFELLOW, \$5.00: Semi-rose type, the most brilliant red.
LOUIS VAN HOUTTI, 75c: Semi-rose type, bright violaceous red.
LORA DEXHEIMER, \$2.50: Semi-rose type, intense crimson, early.
MARIE LEMOINE, \$1.00: Rose type, very late, ivory white.
MARTHA BULLOCK, \$10.00: Rose type, tall, very large rosy pink.
MAD. CHAUMY, 40c: Rose type, very late, bright rose.
MARECHAL VALLIANT, 50c: Rose type, very large, late, purplish red.
MILTON HILL, \$3.50: Globular, compact, rose type. Late, pale lilac-rose.
MIREILLE, \$1.00: Rose type, very late, milk white.
MAD. DE VERNEVILLE, 50c: Bomb type, mid-season, white, very choice.
MAD. EMILE GALLE, \$1.00: Rose type, late, pale pink, shaded lilac-rose.
MON. JULES ELIE, \$1.00: Bomb type, mid-season, glossy pink, extra fine.
MONS. MARTIN CAHUZAC, \$2.50: Semi-rose type, early, darkest deep maroon.
MODISTE GUERIN, 75c: Bomb type, mid-season, deep lustrous pink.
OFFICINALIS RUBRA PLENA, \$1.00: Very earliest, bright crimson.

PEONIES—Continued

OFFICINALIS ROSEA, \$1.50: Very earliest, rose pink.
OFFICINALIS TENUIFOLIA, \$1.50: Fern leaved, very earliest, bright crimson.
PASTEUR, \$2.00: Rose type, mid-season, very soft pink.
PRES. ROOSEVELT, \$1.00: Semi-rose type, mid-season, deep red.
PRIMEVERE, \$3.00: Bomb type, mid-season, tall, creamy yellow.
RACHEL, \$1.00: Rose type, mid-season, brightest ruby red.
RICHARD CARVEL, \$4.00: Bomb type, early, very bright crimson.
ROSA BONHEUR, \$4.50: Rose type, dwarf, light violet rose flecked crimson.
RUBRA TRIUMPHANS, 50c: Semi-double, early, red with yellow stamens.
SOLANCE, \$4.00: Rose type, mid-season, white shaded salmon.
THERESE, \$4.50: Rose type, mid-season, delicate satiny pink.
TOURANGELLE, \$5.00: Rose type, late, creamy buff with salmon tints.
WALTER FAXSON, \$5.00: Semi-rose type, mid-season, distinct bright salmon rose.

SINGLE AND JAPANESE VARIETIES

AKALU, \$2.00: Japanese, carmine red with center saffron yellow, striped carmine.
ANOMALE, \$2.00: Single, bright red, very earliest.
GERALDINE, \$1.50: Japanese, deep carmine violet.
KING OF ENGLAND, \$4.00: Japanese, rich ruby-red with narrow golden center petals.
MIKADO, \$1.50: Japanese, dark crimson with center crimson tipped gold.
OFFICINALIS TENUIFOLIA ROSEA, \$1.00: Single, pink.
SNOW WHEEL \$4.00: Japanese, pure white throughout.
STANLEY, \$1.00: Single, large, dark brilliant crimson.
SINGLE RED, 50c: Unnamed, very early.
THE BRIDE, \$1.00: Single, large, white with yellow center.

HARDY PHLOX

The following varieties, mostly *P. paniculata*, like rich, moist, but well drained soil and a mulching of well rotted manure in winter:

	Each	Per 10
BARON VON DEDUM , orange-red tinted old rose	\$0.30	\$2.50
CHAMPS ELYSEE , very dark purplish crimson .....	.30	2.50
H. O. WIJERS , white with large crimson eye .....	.30	2.50
JULES SANDEAU , large delicate salmon pink, dwarf .....	.30	2.50
MISS LINGARD , very early, long spike, waxy pure white .....	.30	2.50
MRS. JENKINS , large, white, tall .....	.30	2.50
PROF. VIRCHOU , brilliant carmine overlaid with orange scarlet ..	.30	2.50
R. P. STRUTHERS , cherry red with claret red eye .....	.30	2.50
RIJNSTROOM , solid bright rose pink .....	.30	2.50
SPECIAL FRANCE , delicate rose with carmine rose eye .....	.30	2.50
VON HOCHBERG , the nearest pure red .....	.30	2.50
W. C. EGAN , very large, soft pink .....	.30	2.50

OTHER SPECIES

AMOENA , 4 in., pink mass in spring .....	.30	2.50
DIVARICATA		
<i>Canadensis</i> , lavender, April-May, likes some shade .....	.30	2.50
<i>Canadensis</i> Lapham, a bluer form of the above .....	.30	2.50
PILOSA , 1 ft., pink-purple, in spring, for dry, sunny soil .....	.30	2.50
SUBLATA , Moss Phlox—Pink, White, Lilac, or Vivid, creeping .....	.30	2.50

IRIS

Iris may be planted almost any time, but preferably not at or just previous to blooming time. Iris should be planted very shallow and on dry, well drained soil, except the Siberian varieties and other fibrous rooted kinds, which are moisture-enduring. The effect is better if a group of one kind or color is planted rather than single plants of many colors.

Quantity Rates. Kinds priced at:

10c each are	\$0.60 per 10 and	\$ 4.00 per 100
15c each are	.80 per 10 and	6.00 per 100
20c each are	1.00 per 10 and	8.00 per 100
25c each are	1.50 per 10 and	12.00 per 100

S. denotes standards, the upright part of the flower; and F, falls.

DWARF IRIS, 5 to 12 inches high, very early, fine for borders.

Cyanea, 10c: S., rich blue; F., dark satiny purple, 6 inches high.

Schneekuppe, 30c: S. and F., pure white, 6 to 10 inches, very fine.

Excelsa, 20c: S. and F., deep clear yellow, 8 inches.

INTERMEDIATE IRIS: Intermediate in height and season of blooming.

Helge, 15c: S. and F., lemon yellow with pearl shadings, large.

Ingeborg, 25c: S. and F., very fine large pure white.

Walhalla, 15c: S., light blue; F., velvety violet purple.

Maori King, 25c: S., richest golden yellow; F., velvety maroon.

TALL BEARDED IRIS:

Afterglow, 60c: S. and F., delicate greyish pink shaded yellow.

Ambassador, \$1.00: S., smoky reddish violet; F., dark velvety maroon.

Archeveque, 40c: S., deep violet purple; F., rich velvety violet.

Blue Jay, 40c: S., clear blue; F., dark blue.

Celeste, 30c: S. and F., clear azure blue.

Dalila, 50c: S., coppery bronze; F., velvety crimson.

Darius, 20c: S., canary yellow; F., lilac margined white.

Dr. Bernice, 20c: S., coppery bronze; F., velvety crimson.

Flavescens, 15c: S. and F., pale sulphur yellow, sweetly scented.

Gypsy Queen, 15c: S., old gold shaded pearl; F., reticulated maroon.

Her Majesty, 30c: S. and F., rose pink.

Hiawatha, 30c: S., pale lavender; F., royal purple.

Honorabilis, 10c: S., golden yellow; F., brownish mahogany.

Johan de Witte, 10c: S., bluish violet; F., deep violet veined white.

Juniata, 25c: S., arching; F., flaring, clear blue throughout.

Kermesiana, 15c: Claret red, marked, medium size, endures moisture.

Kochi, 15c: S. and F., rich blackish purple, very large and fine.

Latendresse, 10c: S. and F., ageratum blue throughout.

Lent A. Williamson, 75c: S., lavender violet; F., royal purple.

Loreley, 20c: S., light yellow; F., blue bordered cream.

Mariposa, \$1.00: S., French gray; F., flaked purple.

Mary Garden, 30c: S., pale yellow flushed lavender; F., creamy dotted.

Mad. Chereau, 10c: S. and F., white, frilled pale blue, tall and late.

Mad. Pacquette, 20c: S. and F., bright rosy claret, ruffled, tall.

IRIS—Continued

- Midwest, \$1.25: S. and F., ruffled, dotted, and blushed rose on a white ground.
 Mother of Pearl, \$1.00: S. and F., pale bluish lavender, delicately tinted.
 Monsignor, 30c: S., deep violet; F., purplish crimson, veined darker.
 Mrs. H. Darwin, 15c: S. and F., pure white with purplish veins.
 Nibelungen, 30c: S., fawn; F., violet purple, veined purple.
 Nokomis, 30c: S., pale lavender white; F., deep violet blue.
 Pallida Delmatica 30c: S. and F., light lavender violet.
 Parc de Neuilly, 30c: S. and F., rich plum purple, large.
 Perfection, 30c: S., light blue; F., dark violet.
 Princess Beatrice, 50c: A selected variety of Pallida Delmatica.
 Princess Victoria Louise, 25c: S., sulphur yellow; F., rich plum bordered cream.
 Prosper Laugier, 30c: S., light bronze red; F., velvety Bordeaux.
 Quaker Lady, 40c: S., smoky lavender; F., ageratum blue and old gold.
 Queen Alexandria, 25c: S., fawn overcast lilac; F., lilac.
 Queen of the Gypsies, 10c: S., bronze; F., purplish red.
 Rheine Nixe, 25c: S., clear white; F., violet blue, edged white.
 Shekinah, 75c: S. and F., beautiful soft yellow, tall.
 Sherwin Wright, 30c: S. and F., golden yellow.
 Silver King, Florentina, 15c: S. and F., white slightly tinted lavender.
 Souvenir De Mme. Gandichau, \$2.00: S. and F., brilliant black purple.
 Storm Cloud, 30c: S., slaty-grey; F., purplish; very large.
 Swatara, 50c: S., lobelia blue suffused yellow; F., violet.
 White Knight, 75c: S. and F., pure white, late.
 Zua, 75c: S. and F., delicate lavender white, ruffled like fine crepe.

SIBERIAN AND OTHER IRIS:

- Blue King, 15c: Siberian, clear blue with very delicate markings.
 Cristata, 40c: Creeping, 3 in., rich blue, for the rockery.
 Dichotoma, Vesper Iris, 40c: 2 to 3 ft., much branched stems, light lavender flowers in afternoons for four weeks in August or September.
 Distinction, 25c: Siberian, rich blue with white veining, 3 ft.
 Emperor, 50c: Siberian, deep violet-blue, large circular falls.
 Geo. Wallace, 30c: Siberian, S., azure blue; F., marked white.
 Longipetala Superba, 30c: Dainty lavender.
 Lord Woolsey, 40c: Very tall, large, deep purple.
 Mahogany, 40c: Japanese, dark red.
 Orientalis, 15c: Siberian, similar to Blue King, but a little darker.
 Orientalis Gigantea, 50c: Ivory white, very tall.
 Pseudacorus, 30c: Wild, yellow, for the waterside.
 Snow Queen, 15c: Siberian, ivory white with yellowish throat.
 True Blue (Fryer's), 30c: A selected blue form of the Siberian Iris.

OTHER HARDY PERENNIALS

The measure given is the average height and the dates, the blooming period. Most perennials can be moved well either fall or spring, and many of them through the summer. Prices, unless otherwise given: Field-grown plants, 30c each, \$2.40 per dozen, \$15.00 per 100—3 or more at dozen rates, and 25 or more at hundred rates.

ACHILLEA, Milfoil or Yarrow

eupatorium, filipendulina, 3 to 4 ft., bright yellow, all summer.

millefolium roseum, 18 in., rosy-pink, July till October.

The Pearl, 1 ft., pure white, all summer.

tomentosa, dwarf, 6 in., sulphur yellow, July-September.

AGROSTEMMA, Rose Champion or Mullen Pink—2½ ft., June-July. Tufts of silvery foliage and bright crimson flowers.**ALLYSSUM** saxatile, Basket of Gold—1 ft., bright, yellow, early spring, fine for rockery or borders.**ANTHEMUS**, Marguerite—2 ft., large golden yellow flowers, all summer.**ARABIS** alpina, Rock Cress—1 ft., early, masses of white flowers, fine for rockery or border.**ARENARIA** grandiflora, trailing; snow white; May; a fine rock plant.**ARTEMESIA** lactifolia—4 to 5 ft., fragrant small white flowers, August-September.

frigida—6 to 18 in., very fine white silk foliage, flowers unimportant.

ASCLEPIAS tuberosa, Butterfly Weed—2½ ft., July-August, bright orange flowers in umbels.**ASPERULA** odorata—6 to 8 in., small white flowers in May. For carpeting shady places.**ASTERS**—Abendrothe, 4 ft., deep rose, September.

Elta, 4 ft., double, pale lilac, September.

Japanese Double, 3 to 4 ft., pale lavender almost white.

Nova-angliae roseum superbum, 5 to 6 ft., near red, September.

sub-coerulea, 12 to 18 in., pale blue with golden center, June.

ASTILBE arendsi, Rose Pearl—2 to 3 ft., June-July, bright pink, likes moisture.

Meta Immink—4 ft., dense spikes of clear pink.

BAPTISIA australis—2 to 3 ft., dark blue pea-flowers in June.**BELLIS** perennis, Double English Daisy—6 in., crimson to white, May-June.**BLEEDING HEART**, 60c: *Dicentra spectabilis*—1 to 2½ ft., early, shade-enduring.**BLEEDING HEART**, Fern Leaved, 50c: *Dicentra eximia*—Dwarf, everblooming, finely cut foliage, splendid for rockery, shade or sun.**BOLTONIA** asteroides—Branches 5 to 6 ft., September, white aster-like flowers.**CAMPANULA**—carpatica, Harebell—Dense mat 8 in., clear blue, June to October.

rapunculoides—12 to 18 in., upright racemes of nodding purplish-blue flowers mostly in June, but through the summer.

CENTRANTHUS ruber—1½ ft., June-October, red flowers in heads.**CENTUREA** montana—2 ft., July-September, large violet blue flowers in heads.**CERASTIUM** biebersteini—9 in., white cottony foliage, white flowers.

tomentosum, Snow in Summer—Trailing, gray foliage, white flowers.

CHRYSANthemUMS—Hardy

Carrie, rich yellow, July-October.

Eva, deep pink, July to October.

Glory of Seven Oaks, 3 ft., golden yellow, July to October.

Old Fashioned—Pink, October to November.

White, October to November.

Yellow, October to November.

CLEMATIS recta, 40c—2 to 3 ft., June-July, fragrant small white flowers in clusters.

OTHER HARDY PERENNIALS—Continued

COLUMBINES, *Aquilegia*

- Chrysantha*, 30 in., yellow.
- Coerulea*, 2 ft., blue shades.
- Flabellata*, 1 ft., white.
- Long Spurred Hybrids*, mixed colors.
- White*, 2 ft., early spring.

COREOPSIS *grandiflora*, 3 ft., deep yellow, all summer.
imbricata, 2½ ft., large, yellow, all summer.**DAISY**—*Arctic*, 1 ft., September-November.
Double White Shasta, 12 to 18 in., all summer.
Giant, 3 to 4 ft., July to September.
Shasta, 1 to 2 ft., September and October.**DELPHINIUM**, *Larkspur*—**Hardy**

- Belladonna*, 3 to 4 ft., light blue, all summer.
- Bellamosa*, 3 to 4 ft., dark blue, all summer.
- Chinese Blue*, 2 ft., finely cut foliage, gentian blue, all summer.
- Chinese White*, 2 ft., finely cut foliage, white, all summer.
- Gold Medal Hybrids*, 4 ft. or more, mixed colors, all summer.

DIANTHUS—*barbatus*, *Sweet William*, 1 ft. mixed colors, in early summer.
deltoides, *Maiden Pink*, 6 in., small crimson flowers, June-July.
latifolius, 1 ft., brilliant red flowers, all season.
plumarius, *Clove Pinks*, mixed colors, dwarf, grasslike foliage, early spring.**ECHINOPS** *ritro*, *Globe Thistle*—2 to 3 ft., metallic blue, July-August.**ENGLISH BUTTERCUP**, *Ranunculus*—*Upright*, 1 ft., double, bright golden yellow flowers in May and June.**FILIPENDULA** *ulmaria*, *Meadowsweet*, 2 ft., July, creamy white in feathery plumes.**FUNKIA**, *BLUE DAY LILY*, *PLANTAIN LILY*, *HOSTA*.

- Coerulea*, 1½ ft., July, blue drooping flowers, thrives anywhere.
- Subcordata Grandiflora*, 40c: 3 ft., August-September, white, fragrant.

GALEGIA *officinalis* *Hartlandi*, *Goats Rue*—3 ft., July and August.**GAILLARDIA**, 1 to 2 ft., all summer, red, yellow, and orange blended, endures drouth.**GOLDEN GLOW**, 4 to 6 ft., August, large golden yellow flowers.**GYPSOPHYLLA**

- paniculata*, *Baby's Breath*—2 to 3 ft., fine white flowers in late summer.
- repens*, trailing, white flowers.

HELIANTHEMUM *vulgare*, *Sun Rose*, 1 ft., mixed colors, July-September.**HELIOPSIS** *pitcheriana*, 4 ft., deep yellow, July-August.
scabra zinmaeflora, 2½ ft., large yellow flowers through season.**HEMEROCALLIS**, *Yellow Day Lily*

- flava*, *Lemon Lily*, 2½ ft., May and June, clear yellow.
- Florham*, 40c: 3 to 3½ ft., very large, rich yellow, July.
- fulva*, *Tawny Lily*, 3 to 5 ft., coppery orange and crimson, July.
- Gold Dust*, 2 to 3 ft., July, very rich yellow.
- Kwanso*, 3 to 4 ft., double, golden bronze, July.
- thunbergii*, 2 ft., yellow, July.

HIBISCUS, 4 to 5 ft., clear rose colored, 6 in. flowers, July-September.**HOLLYHOCKS**, assorted colors, 4 to 7 ft., August and September.**HYPERICUM** *calycinum*, 1 to 2 ft., yellow flowers, July-August.**IBERIS** *semperviviens*, dwarf, white, early spring, splendid for edging or rockery.**INCARVILLEA**, *Hardy Gloxinia*, 1½ ft., large rose pink flowers, through summer, needs protection.

OTHER HARDY PERENNIALS—Continued

- LILIUM**, Lilies, all blooming sized bulbs.
elegans, 30c: Early, upright, orange blossoms.
regal, 50c: White shaded pink, fragrant.
speciosum magnificum, 50c: Tall, pink with crimson dots.
superbum, Turk's Cap, 30c: Orange, tipped red.
tigrinum flore plena, Double Tiger, 30c: One of the commonest varieties.
- LINUM**, Hardy Flax, 1 to 2 ft., blue, all summer, very choicest, graceful plant.
- MYOSOTIS**, Forget-Me-Not, dwarf, blue, early summer, needs shade.
- OENOTHERA**
speciosa, 2 ft., large, pure white, July-August.
youngii, Sundrops, Evening-Primrose, 2 ft., June-August, bright lemon yellow.
- PENSTEMON**
barbatus, 3 ft., June to August, bright scarlet.
grandiflora, 2 ft., large lilac or lavender blue flowers, June, thrives in sand or dry places only.
- PHYSOSTEGIA**, False Dragonhead
virginica, 3 to 4 ft., August-September, spikes of delicate pink.
virginica alba, a white form of the above, July-August.
virginica vivid, 2 to 3 ft., deep pink, September-October.
- PLATYCODON**, Balloon Flower
grandiflora, 2 ft., June to October, large blue or white bell-shaped flowers. Among the finest perennials.
mariesi, 12 to 15 in., otherwise like above, very fine.
- PLUMBAGO** *larpentae*, 10 to 12 in., compact, cobalt-blue, from July to freezing.
- POPPY**—Iceland, 1 to 2 ft., mostly yellow.
Oriental, 2 ft., large scarlet flowers, centers black, June, transplant in August.
pilosum, 18 in., orange flowers, July-September.
- PYRETHRUM**, Persian or Painted Daisy, from seed, colors not sure.
Hybridum, 2 to 3 ft., pink and white, May to July.
Atrosanguinea, mostly darker shades than the above.
- RANUNCULUS** *repens*, creeping, golden yellow, June.
- SALVIA** *turkestanica*, 3 ft., large decorative wooly leaves, small white flowers.
- SAPONARIA**, Soapwort, dwarf, small rosy flowers, in early summer.
- SCABIOSA** *caucasica*, Blue Bonnet, 2 ft., lavender flowers, all summer.
- SEMPERVIVIEN**, House Leek, Rosettes of succulent leaves, for dry places.
- SOLIDAGO**—Golden Wings, 4 ft., immense wide panicles of golden yellow, August.
missouriensis, Aster flowered Golden Rod—2 ft., compound panicles of yellow aster-like flowers in August.
- STATICE** *latifolia*, Sea Lavender, 1 to 2 ft., small purplish blue flowers, broad thick leaves.
- STOKES ASTER**, 1 to 2 ft., large lavender blue flowers, July to October.
- STONECROP**, Sedum or Liveforever
Acre, Golden Moss, creeping green foliage and bright yellow flowers.
Album, 3 in., round, green foliage, small white flowers.
Anglicum, 2 in., forms a bluish green mat.
Coccinea, 6 to 8 in., red flowers.
Eversi, gray foliage, 2 to 3 in., rosy flowers.
Kamchaticum, 6 in., bright light green, yellow flowers.
Rupestre, 4 to 6 in., reddish stems.
Sieboldi, Japanese, 6 in., bright pink, September.
Spectabile, 1 to 2 ft., bright pink, August and September.
Spectabile Brilliant, like above but much darker pink.
Spectabile Variegata, smaller than *Spectabile* and has variegated foliage.

OTHER HARDY PERENNIALS—Continued

THALICTRUM, Meadow Rue or Feathered Columbine

adiantifolium, 40c: 1 to 2 ft., yellowish, June and July.

flavum, 3 to 4 ft., lemon yellow, fine foliage, July.

glaucum, 40c: 1 to 2 ft., pale yellow, July and August.

THYMUS, Thyme, make dense carpets on dry sunny places.

album, sheet of white in June-July.

coccineum, a mass of bright crimson in June-July.

TRADESCANTIA

virginica, Spiderwort, 2 to 3 ft., grassy leaves, blue flowers all summer.

virginica, Rose Colored, a pink form of the above.

TUNICA saxifraga, low tufts small pink flowers, all summer.**VERBASCUM HARKNESS HYBRIDS**, 3 to 5 ft., July-August, spikes of deep yellow flowers.**VERONICA**, Speedwell

amethystina, 1 ft., June-July, spikes of amethyst-blue flowers.

elegans, erect, 12 in., pink.

rupestre, trailing, brilliant blue, June.

spicata, 2 ft., deep blue, June.

teucrium, dwarf, 6 to 12 in., May-June, blue.

True Blue, 18 in., long spikes of blue, July-August.

VINCA MINOR, Trailing Myrtle, an evergreen trailing plant for carpeting ground.**VIOLA HYBRIDA**, Tufted Pansies, splendid for borders.

Apricot, apricot shaded yellow.

Haslemere, lilac-pink.

Osborn White, creamy white.

FOREST TREE SEEDLINGS

	Size	Per 100	Per 1,000
GREEN ASH	18 to 24 in.	\$3.00	\$25.00
	12 to 18 in.	2.25	20.00
BLACK LOCUST	2 to 3 ft.	2.50	22.00
	18 to 24 in.	2.00	18.00
	12 to 18 in.	1.50	12.50
BLACK WALNUT	12 to 18 in.	6.00	50.00
	6 to 12 in.	4.00	35.00
CAROLINA POPLARS , 1-year whips	5 ft. and up	8.00	75.00
	Rooted Cuttings.	4 to 5 ft.	7.00
	3 to 4 ft.	6.00	50.00
	2 to 3 ft.	4.50	40.00
HARDY CATALPA	12 to 18 in.	1.50	14.00
	6 to 12 in.	1.00	8.00
HONEY LOCUST	18 to 24 in.	2.50	22.50
	12 to 18 in.	2.00	17.50
PECAN SEEDLINGS	4 to 6 in.	5.00	-----
	Grown from Iowa seed. Splendid for growing stocks to graft later.	6 to 8 in.	7.50
RUSSIAN MULBERRY	2 to 3 ft.	3.50	30.00
	18 to 24 in.	2.50	22.50
	12 to 18 in.	2.00	16.00
SOFT MAPLE	18 to 24 in.	2.50	22.00
	12 to 18 in.	2.00	16.00

GRAFTED NUT TREES

HICKORIES

PECANS

HICCANS

CHESTNUTS

A demand for these trees will greatly exceed the supply for some time because of the limited number of stocks which will be ready to graft, it taking from three to eight years for them to attain sufficient size. The stock ready for sale the spring of 1928 is very limited and a list of kinds available will be sent to those asking for it. Some trees can be supplied of topworked hickories which were grafted about four feet high on shagbark stocks and are now about six feet high. This size has less trouble from bark bursting than smaller trees. Write for available kinds.

BLACK WALNUTS. The Thomas walnut is best known and most planted of the grafted varieties. The tree is hardy, very vigorous growing, productive, and a very young bearer, switches one year old often bearing the following season. The nut is large, fairly thin-shelled, easily cracked, and yields ten pounds or more per bushel of light-colored meats of fine quality.

Ohio is a close rival of the Thomas and by some is considered rather superior to it in certain respects.

Stabler is a native of Maryland and not as hardy as Thomas or Ohio. The nut is of fair size, very thin-shelled, and often not divided, so the meats can be extracted in one piece. All trees quoted are one-year tops grafted on transplanted stock.

PRICES—	5-6 ft.	4-5 ft.	3-4 ft.	2-3 ft.	18-24 in.
Thomas	\$3.00	\$2.50	\$2.25	\$2.00	\$1.50
Ohio			2.25	2.00	1.50
Stabler				2.00	1.00

THE WINKLER HAZLENUT is the best and largest of many kinds we have tried. The nuts are produced freely, are larger than many European Filberts and have the choice quality of the small wild hazlenut. They are uniformly large, sometimes over one inch long. Often the kernels almost burst the shells open and they can be easily pried apart with a light knife. The bush is shapely and grows to about six feet, making a desirable ornamental shrub. The foliage is good and none on the place was more beautifully colored this fall.

Heavy bushes		\$4.00 each
Strong divisions	3-4 ft.	2.50 "
Well rooted divisions	2-3 ft.	1.00 "

The two larger sizes often bear the same year transplanted.



